


Program ISNaPol 2018

A) Natural Fibers: cultivation, treatment, modification, processing and end-use applications.
B) Biobased and Biodegradable polymers: production and applications
C) Biorefinery: Innovation, Biomass and prospects for sustainable production
D) Composites and fibers: processing and applications
E) Micro and Nanotechnology
F) Cellulose, Lignin and others renewable raw materials
G) Environment and Life-Cycle Assessment (LCA)

05/27/2018 - Sunday	
Schedule	Medieval Room
15h00 - 19h00	Registration
19h00 - 19h50	Opening Ceremony
19h50 - 20h30	Opening Session - Cultural presentation
20h30 - 22h00	Welcome Cocktail

* Registration will be available during all the Symposium.

05/28/2018 – Monday Morning		
Schedule	Room A	
8h30 - 9h20	<p>Black Carbon and Biocarbon as Functional Materials Mohini Sain - Faculty of Forestry, University of Toronto, Canada <i>Plenary Session PL1</i></p>	
9h20 – 10h10	<p>Cellulose Solutions: Adhesive, Dispersant, Coating and Conductive Properties Fernando Galembeck – University de Campinas, Brazil <i>Plenary Session PL2</i></p>	
10h10 - 10h30	Coffee Break	
Schedule	Room A	Room B
10h30 - 11h00	<p>Denise F. S. Petri University of São Paulo, Brazil Polysaccharides: versatile platforms for preconcentration of water pollutants <i>Keynote Speaker</i> <i>(Biobased and Biodegradable Polymers: Production and Applications)</i></p>	<p>Saulo Guerra University Júlio de Mesquita Filho, Brazil Technology for the production of agroforestry biomass <i>Keynote Speaker – (Biorefinery)</i></p>
11h00 - 11h15	<p>B-18030 BACTERIAL CELLULOSE MEMBRANES INCORPORATED WITH MARIGOLD EXTRACT Eduarda Z. Neves, Michele C.F. Garcia, Giannini P. Apati, Andrea L.S. Schneider and Ana Paula T. Pezzin UNIVILLE</p>	<p>C-18006 BIOREFINERY INITIATIVES IN A CELLULOSE PULP INDUSTRY Elaine C. Ramires, Germano A. Siqueira, Marcos H. L. Silveira, Danilo R. de Lima and Matheus A. Guimarães Fibria</p>
11h15 - 11h30	<p>B-18039 THERMO-OPTICAL OSCILLATING REFRACTION CHARACTERIZATION: A MOLECULAR PERSPECTIVE ON BIOBASED POLYURETHANE CURING Demetrio J. dos Santos UFABC</p>	<p>C-18001 VALORIZATION LIGNOCELLULOSIC FEEDSTOCKS: CONVERSION FOR BIOFUELS AND BIOPRODUCTS IN THE ARC CONTEXT Cristhy W. Romero, Rubens A. Lamparelli and Mauro D. Berni UNICAMP</p>
Schedule	Room A	
11h30 - 12h20	<p>Waterfinery: Green Conversion of Biomass Waste to Biopolymers and Biomolecules Using Water-Based Solvents Pedro Fardim - Department of Chemical Engineering, KU Leuven, Belgium <i>Plenary Session PL3</i></p>	
12h20 - 14h00	Lunch	

05/28/2018 – Monday Afternoon		
Schedule	Room A	
14h00 - 14h50	<p>Edible films produced from fruit puree Luiz Henrique Capparelli Mattoso - Embrapa, Brazil <i>Plenary Session PL4</i></p>	
14h50 – 15h40	<p>Biorefinery integrated to the pulp and paper industry Jorge Luiz Colodette – Federal University of Viçosa, Brazil Plenary Session PL5</p>	
15h40 - 16h00	Coffee Break	
Schedule	Room A	Room B
16h00 - 16h30	<p>Sandro Campos Amico LAPOL/DEMAT/PPGE3M/UFRGS Hybrid Vegetable Fiber/Glass Fiber Thermoset Composites <i>Keynote Speaker - (Composites and Fibers)</i></p>	<p>Ademar Lugão Institute of Energy and Nuclear Research-USP Green nanotechnology for cancer therapy and diagnosis <i>Keynote Speaker - (Micro and Nanotechnology)</i></p>
16h30 - 16h50	<p>Juliano Fiorelli University of São Paulo, Brazil Particleboards of agroindustrial wastes and castor oil polyurethane adhesive: performance evaluation and application in rural construction Invited Talk (Composites and Fibers)</p>	<p>Fabio Furlan Ferreira Federal University of ABC Structural characterization of corn straw residues with the use of pair distribution function Invited Talk (Micro and Nanotechnology)</p>
16h50 - 17h05	<p>D-18020 STUDY OF POLYSULFONE/ RECAM® COMPOSITE FILTRATION MEMBRANES TOWARDS HYPOCHLORITE AGEING Priscila Anadão and Hélio Wiebeck USP</p>	<p>E-18012 EFFECT OF POLYETHYLENE GLICOL (PEG) AS A GRAFTING AGENT ON CELLULOSE NANOSTRUCTURES TO IMPROVE ITS STABILITY Giovanni F. Lima, Alana G. Souza and Derval S. Rosa UFABC</p>
17h05 - 17h20	<p>D-18022 VIABILITY STUDY OF ORIENTED BAMBOO PARTICLEBOARD PRODUCTION PROCESS Fábio A. Moizés, Mauri P. de Lima Junior, Marcus A. P. Bueno andIVALDO DE D. Valarelli UNESP</p>	<p>E-18010 DEPLETION ATTRACTION AS DRIVEN FORCE FOR HIGHLY VISCOUS NANOCELLULOSE/CMC SUSPENSIONS Sivoney F. de Souza, Marcos M. and Juliana S. Bernardes LNNano</p>
17h30 - 18h50	Poster Session (A,B and G) 	
19h15	Happy Hour	

05/29/2018 – Tuesday Morning		
Schedule	Room A	
8h30 - 9h20	<p>Applications of natural rubber in bone regeneration Carlos F.O. Graeff – University Júlio de Mesquita Filho, Brazil Plenary Session PL6</p>	
9h20 – 10h10	<p>Natural Biopolymer Resources for XXI Century Ryszard Kozlowski - Institute of Natural Fibres and Medicinal Plants INF&MP, Poland Plenary Session PL7</p>	
10h10 - 10h30	Coffee Break	
Schedule	Room A	Room B
10h30 - 11h00	<p>Judith Pessoa de Andrade Feitosa Federal University of Ceará Injectable hydrogels based on polysaccharides <i>Keynote Speaker - (Biobased and Biodegradable Polymers)</i></p>	<p>José Ignacio Velasco Technical University of Catalonia- UPC-BarcelonaTech – Spain Effects Of Nanofillers in the Structural and Transport Properties of Polymers: Towards Lighthweigh Multifunctional Plastics <i>Keynote Speaker - (Composites and Fibers)</i></p>
11h00 - 11h15	<p>B-18034 PREPARATION AND CHARACTERIZATION OF ARRACACHA STARCH FOR PRODUCTION OF FILMS AND EDIBLE PACKAGING Viviane. S. Silva, F. M. Fakhouri, L. H. I. Mei and R. A. Oliveira UNICAMP</p>	<p>E-18005 DEVELOPMENT OF BIOPOLYMER MULTILAYER MEMBRANES Leandro M. M. Bidin, Arila L. Pasqualotto, Ursulla I. R. S. S. da Silva and Mariana A. de Moraes UNIFESP</p>
11h15 - 11h30	<p>B-18051 SUPERCRITICAL CO2 IMPREGNATION: A GREEN PROCESS TO IMPREGNATE PLLA SUTURE WITH ANTI-INFLAMMATORY DRUGS M. Champeau, J-M. Thomassin, T. Tassaing and C. Jérôme UFABC</p>	<p>E-18011 SYNTHESIS AND CHARACTERIZATION OF NANOSTRUCTURED SYSTEMS OF TiO₂ FOR CONTROLLED RELEASE OF ANTIEPILEPTIC DRUGS Tessy M. L. Goerne, Roxana M. Montes García AND Paola R. Olivares Universidad Autónoma Metropolitana - México</p>
11h30 - 11h45	<p>B-18042 BIODEGRADABLE COATINGS TO PRESERVE LEMON (<i>Citrus aurantifolia</i>) Raísa C. de Faria, Marivane T. Koschevic, Maycon dos Santos, Amanda S. Godoi, Farayde M. Fakhouri and Sílvia M. Martelli UFGD</p>	<p>A-18019 ANALYSIS OF THE MECHANICAL RESISTANCE OF POLYMERIC COMPOSITES REINFORCED WITH SISAL FIBERS Matheus Bosquetti, Elaine Cristina Azevedo and Lucas Freitas Berti UTFPR</p>
11h50 - 14h00	Lunch	

05/29/2018 – Tuesday Afternoon		
Schedule	Room A	
14h00 - 14h50	<p>Polymer Matrices in Nanostructured Films for Detection of Cancer Biomarkers Oswaldo N. Oliveira Jr. - São Carlos Institute of Physics, University of São Paulo, Brazil Plenary Session PL8</p>	
14h50 – 15h40	<p>SPECIAL COMPOSITES ON THE BASE OF POLYETHYLENE IN ROTATIONAL MOLDING TECHNOLOGY Marek Szostak - Poznan University of Technology, Poland Plenary Session PL9</p>	
15h40 - 16h00	Coffee Break	
Schedule	Room A	Room B
16h00 - 16h30	<p>Edvani Muniz State University of Maringá Natural Polymers in Biomedical Applications <i>Keynote Speaker - (Cellulose, Lignin and others renewable raw materials)</i></p>	<p>Bernardo Borges Laboratório Nacional de Nanotecnologia – LNNano Nanostructured fertilizers based on biochar <i>Keynote Speaker (Micro and Nanotechnology)</i></p>
16h30 - 16h45	<p>F-18028 ELECTROSPUN MATS BASED ON PET AND CELLULOSE NANOCRYSTALS FOR APPLICATION AS AIR FILTRATION SYSTEMS Rachel P. O. Santos, Murilo D. M. Innocentini, Elisabete F. and Holmer S. Junior USP</p>	<p>D-18004 CHARACTERIZATION OF COMPOSITES MADE WITH POLYPROPYLENE AND SAWDUST FROM FURNITURE INDUSTRY José C. Caraschi, Felipe A. S. Hansted, Fernando N. dos Santos and Alcides L. Leão UNESP</p>
16h45 - 17h00	<p>F-18018 NANOCELLULOSE FROM SUGARCANE BAGASSE BY ENZIMATIC HYDROLYSIS Jéssica de Aguiar, Thalita J. Bondancia, Pedro I. C. Claro, Cristiane S. Farinas, Luiz H. C. Mattoso and José M. Marconcini EMBRAPA</p>	<p>D-18013 IN SITU POLYMERIZATION AND CHARACTERIZATION OF RECYCLED PAPER FROM CARTON PACKAGES POLYSTYRENE COMPOSITE Carolina V. Nanô, Ivanei F. Pinheiro, Derval S. Rosa, Lucia H. I. Mei UNICAMP</p>

<p>17h00 - 17h15</p>	<p>F-18020 INFLUENCE OF LIGNIN INCORPORATION IN THERMAL PROPERTIES IN THE OBTAINMENT OF BIOCOMPOSITES LIGNIN/POLY (LACTIC ACID) Jean Martins, Eduardo M. Nascimento, Rafaela R. Ferreira, Anderson Maia and Rondes F. da Silva Torin FATEC Mauá</p>	<p>B-18063 FILMS BASED ON CHITOSAN CITRATE FOR COSMECEUTICAL APPLICATION Nádyá P. da Silveira, Roberta B. Rodrigues Maria I. Z. Lionzo, Gabriela Poletto, Illean C. Libio UFRGS</p>
<p>17h15 - 17h30</p>	<p>F-18021 EVALUATION OF THE INTERFERENCE OF SISAL AQUEOUS EXTRACTIVE IN CEMENT MATRIX SETTING TIME VIA ULTRASONIC CEMENT ANALYZER (UCA) Edson Fernandes, Mostafa Galal, Renata Santos, Bartosz Zukowski, Saulo Ferreira and Romildo Toledo UFRJ</p>	<p>B-18005 INFLUENCE OF THE BIODEGRADATION OF COMMERCIAL PACKAGING STARCH- BASED ON THE ENVIRONMENT - MEASUREMENT OF SOIL BIOACTIVITY AND CO₂ RELEASE Fabíola A. S. Machado, Laura C. A. Salgado, Hélio F. Machado Júnior, Fabíola O. da Cunha, Dilma A. Costa UFRRJ</p>
<p>17h30 - 18h30</p>	<p>Poster Session (C, D, E and F)</p>	
<p>20h00</p>	<p>Joint Dinner</p>	



05/30/2018 – Wednesday Morning		
Schedule	Room A	
8h30 - 9h20	<p align="center">Nanoplasmonic Sensor Technologies for Biointerfacial Science Applications Nam-Joon Cho – School of Materials Science & Engineering, Nanyang Technological University, Singapore Plenary Session PL10</p>	
9h20 – 10h10	<p align="center">Biosurfactants: properties and new approaches Rudolf Hausman - Hohenheim University, Germany Plenary Session PL11</p>	
10h10 - 10h30	Coffee Break	
Schedule	Room A	Room B
10h30 - 11h00	<p align="center">Ryszard Kozlowski Institute of Natural Fibres and Medicinal Plants INF&MP Poland New trends in breeding, production, processing, processing and applying natural fibrous resources <i>Keynote Speaker - (Natural Fibers)</i></p>	<p align="center">Fernando Codelo Nascimento Institute of Energy and Nuclear Research-USP Proposal for application of LCA and Circular Economy concepts in the development of the properties improvement of a PVA paint additive with aqueous dispersions of cellulosic residues treated with electron beam <i>Keynote Speaker - (Environment and Life-Cycle Assessment)</i></p>
11h00 - 11h15	<p align="center">A-18013 INFLUENCE OF CHEMICAL TREATMENT IN SISAL FIBER IN DYNAMIC-MECHANICAL THERMAL BEHAVIOR OF COMPOSITION WITH CELLULOSE ACETATE MATRIX Karina P. Carmo, Jéssica S. Rodrigues, Roberta R. M. de Freitas, Anna Maria G. Melero, Joelen O. Silva, Marcelle C. N. Prado e Vagner R. Botaro UFSCAR</p>	<p align="center">G-18010 LCA APPROACH FOR RECYCLED POLYPROPYLENE COMPOSITES WITH COFFEE GROUNDS WASTE Rennan F. S. Barbosa, Giovanni F. de Lima, Alana G. de Souza, Daniel Rocha, Sueli A. Oliveira, Derval S. Rosa UFABC</p>
11h15 - 11h30	<p align="center">A-18001 VALUATION OF AGRONOMIC PERFORMANCE OF SIX VARIETIES OF FLAX IN THE NORTHERN ANDEAN ECOSYSTEM OF ECUADOR Simbaña Andres, Proaño Artemio, Ángel Orozco PUCESI</p>	<p align="center">G-18005 LIFE CYCLE ENVIRONMENTAL IMPACT ANALYSIS OF DIFFERENT PP/ PHB BLENDS OF PRODUCTS Antonio J. dos Santos, Luiz V. O. D. Valentina, Cássia M. L. Ugaya, Kílvia F. Alves, Márcia A. T. Duarte UNISOCIESC</p>
11h30 - 11h45	<p align="center">A-18009 COPOLYMERIZATION OF PEA STARCH AND MACAUBA FIBERS PRODUCED BY MECHANOMECHANICAL REACTION Rosana L. L. Fialho, Milton Capetta, J., Victor Hhem, Silvio Cunha, Elaine C. Albuquerque, Lúcia H. I. Mei, José I. Velasco and Farayde M. Fakhouri UFBA</p>	<p align="center">B-18038 STABILIZATION EFFECT OF KRAFT LIGNIN INTO PBAT: THERMAL ANALYSIS APPROACH Lara B. Tavares and Derval S. Rosa UFABC</p>

11h45 - 12h00	A-18026 SURVEY OF BRAZILIAN NATIVE FIBROUS PLANTS WITH TEXTILE POTENCIAL Rayana S. Queiroz IPT	B-18010 STUDY OF THE CELLULOSE ACETATE MEMBRANES AS MATRIX FOR IBUPROFEN RELEASE Marcos V. Ferreira, Lauro A. P. Filho, Regina M. Takeuchi, André L. dos Santos and Rosana M. N. de Assunção UFU
12h00 - 14h00	Lunch	

05/30/2018 – Wednesday Afternoon		
Schedule	Room A	Room B
14h00-14h15	<p>A-18020 EVALUATION OF THE POTENTIAL OF PINEAPPLE CROWN FIBER FOR THE PRODUCTION OF POLYMERIC COMPOSITES WITH GREEN POLYETHYLENE</p> <p>André S. Zuretti, Alexandre O. T. Cordeiro, Cristiane R. Martins and Classius F. da Silva UNIFESP</p>	<p>B-18017 TERMO MECHANICAL ASSESSMENT OF PBAT/PLA BIOFOAMS REINFORCED WITH BIO-CALCIUM CARBONATE</p> <p>Elizabeth C. L. Cardoso, Sandra R. Scagliusi, Duclerc F. Parra, Esperidiana A. B. Moura and A. B. Lugão IPEN</p>
14h15-14h30	<p>A-18022 THERMAL ANALYSIS OF BARÚ (<i>Dipteryx alata</i>) BARK FIBERS</p> <p>Marivane T. Koschevic, Maycon dos Santos, Paulo R. S. Bittencourt, Farayde M. Fakhouri, Sílvia M. Martelli UFGD</p>	<p>D-18029 BIO-COMPOSITES FROM AMAZON FIBERS: MALVA AND TUCUN REINFORCING POLYURETHANE/CASTOR OIL MATRIX</p> <p>Juliana S. C. da Cunha, Hilton E. O. Neto and Cristina G. da Silva UFAM</p>
Schedule	Room A	
14h30 – 15h20	<p>Life cycle thinking framework: Evolution of sustainability management Gil Anderi da Silva – University of São Paulo, Brazil Plenary Session PL12</p>	
15h20	Closing Ceremony	